

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 235 (THREE NOTCH ROAD) AT WILDEWOOD BOULEVARD IN ST. MARY'S COUNTY. MD 235 IS CONSIDERED TO RUN IN A NORTH/SOUTH DIRECTION.

MODIFICATION TO INTERSECTION REQUIRED DUE TO GEOMETRIC CHANGES.

INTERSECTION OPERATION

THE EXISTING CABINET/CONTROLLER WILL BE UTILIZED AT THIS LOCATION. THE INTERSECTION OPERATION WILL REMAIN UNCHANGED. CURRENTLY OPERATES IN A FULLY ACTUATED MODE USING 6 NEMA PHASES. THERE IS AN EXCLUSIVE LEFT TURN PHASE FOR THE NORTH AND SOUTHBOUND MOVEMENTS OF MD 235. THE MD 235 THROUGH MOVEMENTS OPERATE CONCURRENTLY. THE WILDEWOOD BOULEVARD AND CONCRETE COMPANY ENTRANCE MOVEMENTS OPERATE CONCURRENTLY.

SPECIAL NOTES

1. THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MS. KIMBERLY TRAN, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019
MR. JAMES FOLDEN, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 841-1031
MR. JOHN MAYS, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013
MR. MIKE HUBER, UTILITY ENGINEER
PHONE: (410) 841-1039
MR. EDWARD RODENHIZER, SIGNAL OPERATIONS
PHONE: (410)-787-7652

2. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY THE SHA SIGNAL SHOP. CONTRACTOR SHALL CONTACT ED RODENHIZER 72 HOURS PRIOR TO CONSTRUCTION.

EQUIPMENT LIST

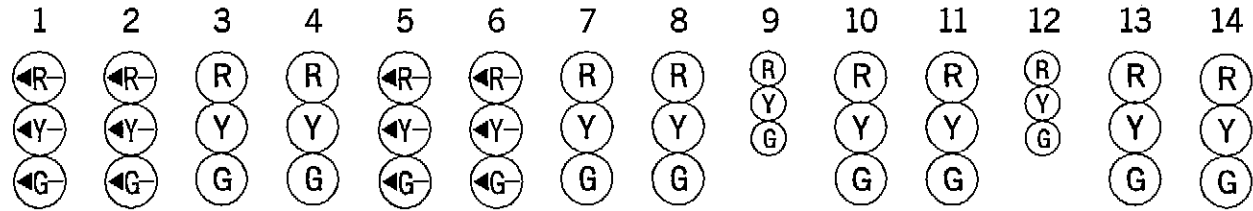
- A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.
NONE.
- B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	EA	HANDHOLE
175	LF	SAWCUT FOR SIGNAL LOOP DETECTOR
500	LF	LOOP DETECTOR WIRE ENCASED IN FLEXIBLE TUBING
660	LF	2-CONDUCTOR (ALUMINUM SHIELDED) CABLE
15	LF	1 IN. LIQUID TIGHT FLEXIBLE CONDUIT FOR DETECTOR SLEEVE
200	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
130	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - BORED
400	LF	RELOCATE EXISTING UNDERGROUND INTERCONNECT CABLE
1	EA	RAISE EXISTING HANDHOLE FRAME AND COVER WITH NEW CONCRETE COLLAR
LUMP SUM	LS	REMOVE EXISTING SIGNAL EQUIPMENT

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
3. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
4. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
5. ALL UNUSED CABLE SHALL BE REMOVED.

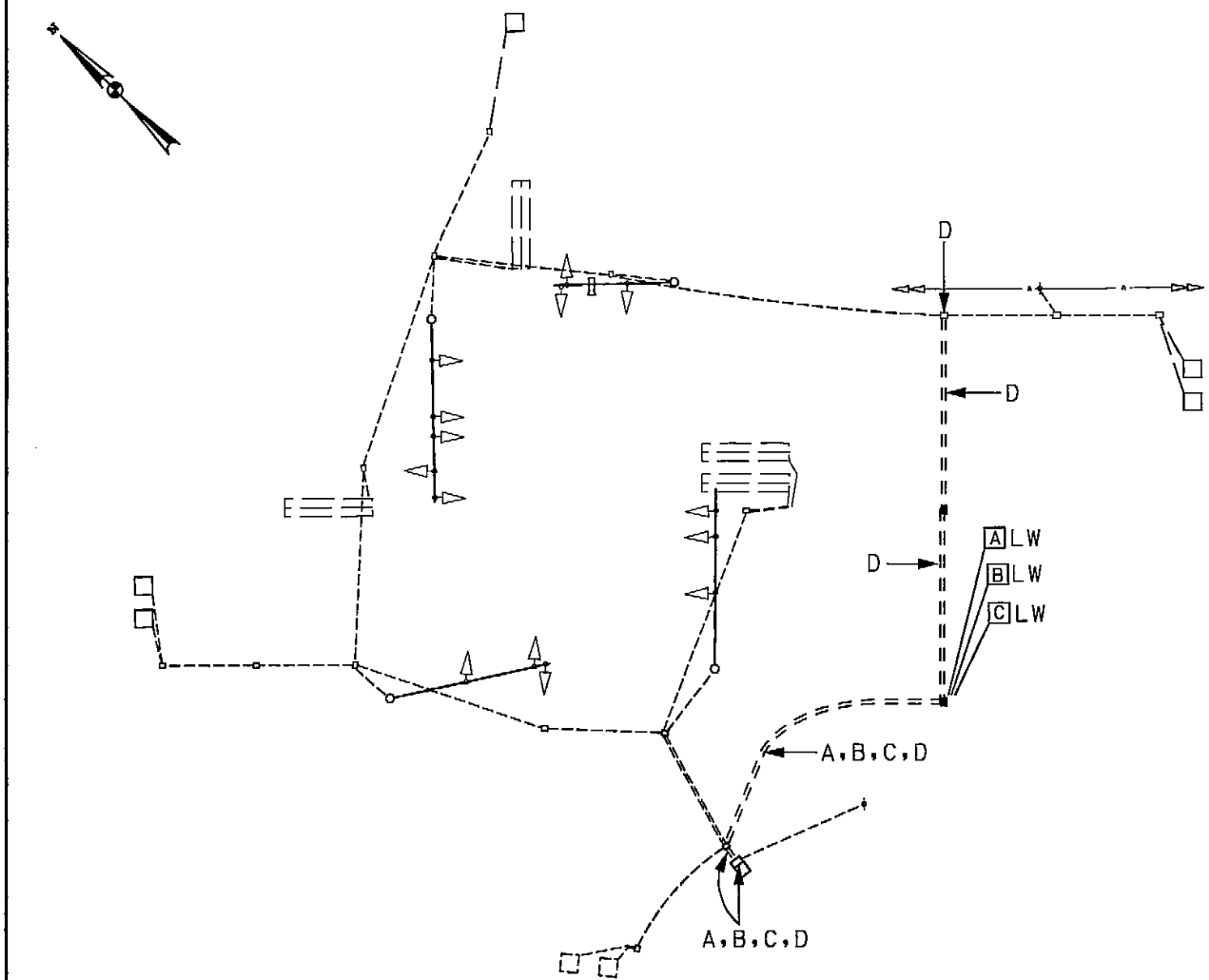
Phase Chart



PHASE 1 AND 5	←G-	←G-	R	R	←G-	←G-	R	R	R	R	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																
PHASE 1 AND 6	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R	R	R	R	R
1 CHANGE	←Y-	←Y-	G	G	←R-	←R-	R	R	R	R	R	R	R	R	R	R
PHASE 2 AND 5	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R	R	R	R	R
5 CHANGE	←R-	←R-	R	R	←Y-	←Y-	G	G	R	R	R	R	R	R	R	R
PHASE 2 AND 6	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R	R	R	R	R
2 AND 6 CHANGE	←R-	←R-	Y	Y	←R-	←R-	Y	Y	R	R	R	R	R	R	R	R
PHASE 4 AND 8	←R-	←R-	R	R	←R-	←R-	R	R	G	G	G	G	G	G	G	G
4 AND 8 CHANGE	←R-	←R-	R	R	←R-	←R-	R	R	Y	Y	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

KEY

- A } 2-CONDUCTOR CABLE (ALUMINUM SHIELDED)
B }
C }
D } EXISTING INTERCONNECT CABLE (NO. 19 A.W.G.) WILDEWOOD BLVD TO MD 4 RUN
LW } LOOP DETECTOR WIRE (NO. 14 A.W.G.) IN FLEXIBLE TUBING



PHASE 1 OF
OFF-SITE IMPROVEMENTS
MD-AMD Tracking No.: 10AP5M005

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION Wildewood PUD - Mitigation MD 235 (THREE NOTCH ROAD) AT WILDEWOOD BOULEVARD CALIFORNIA, MARYLAND		
GENERAL INFORMATION PLAN		
SCALE N/A	DATE DECEMBER 6, 2011	CONTRACT NO. BW996M82
DESIGNED BY F. BROWNLEY	COUNTY ST. MARY'S	
DRAWN BY F. BROWNLEY	LOGMILE 18023517.27	
CHECKED BY	TIMS NO. K872	
F.A.P. NO. N/A	TOD NO. N/A	
TS NO. 25355	DRAWING SG - 01 OF 02	SHEET NO. 2 OF 2

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